

Alexander Weimer

Electrical Engineering Student at University of Minnesota, Minnesota, USA

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Experience

Independent Research Lead

Minnetonka Research

Minnetonka, MN

Sep 2024–Jun 2025

- Led a yearlong project developing a machine learning model for reading Gregg shorthand.
- Article: doi.org/10.31224/4661, Model Repository: doi.org/10.57967/hf/5604

Research Intern

KTH Royal Institute of Technology

Stockholm, Sweden

Jun 2023–Jul 2023

- Led a project in Materials Engineering under the mentorship of Dr. Antonio Capezza.
- Presented a talk about my research at the Swedish National Museum of Science and Technology.

Education

University of Minnesota

Bachelors of Electrical Engineering

Minneapolis, Minnesota

2025–2028 (est.)

Minnetonka High School

AP International Diploma | Dual Enrollment @ SCSU & Normandale Community College

Minnetonka, Minnesota

2021–2025

- GPA: 4.4 Weighted / 3.8 Unweighted
- Activities: Speech & Debate (Captain), Minnetonka Research, Cultural Fair, $\Delta E\Phi$

Volunteering

Camp Lecturer, Counselor

Minnetonka Community Education

Minnetonka, MN

Jun 2021–

- Taught middle school speech/debate camps for several years. Counselor at science camp.

Honors/Awards

Category 1st Place—Robotics & Intelligent Machines (ISEF 2nd Alternate), TCRSF

Mar 2025

National Merit Scholar, National Merit Scholarship Program

Apr 2025

Degree of Special Distinction, National Speech & Debate Honor Society

Nov 2024

AP International Diploma, College Board

Jul 2024

National German Exam Level 4 Gold award (91st percentile), AATG

Mar 2024

Minnesota Platinum Bilingual Seal (German & English), Minnesota Dept. of Education

Feb 2024

Skills

Languages Javascript/Typescript, React, Python, Java, Matlab

Tooling Solidworks, Git, \LaTeX , Linux, Shell (Bash, Zsh)

Soft Skills Collaborative software development, public speaking, academic/professional writing

Languages

Swedish Native proficiency

English Native proficiency

German Professional working proficiency